

CLAIMS

What is claimed is:

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1. A method of routing a transaction, the method comprising the steps of:
- 10 identifying a resource associated with a transactional processing system capable of servicing a transaction based upon resource data indicative of the capabilities of resources associated with the transactional processing system and a transaction request indicative of a request
- 15 associated with the transaction; and
- supplying the transaction to the identified resource.
2. The method of claim 1, including the step of supplying the resource data and the transaction request to a transactional routing
- 20 controller.
3. The method of claim 1, wherein the transaction contains an identifier indicating the transaction request.
- 25 4. The method of claim 2, including the step of generating a data message in response to the transaction, the data message indicating the identifier to a transactional routing controller.
5. The method of claim 1, wherein the resource data is supplied from the transactional processing system and identifies the resource capabilities associated with each resource of the transactional processing system.

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6. The method of claim 1, wherein the step of identifying a resource comprises:

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comparing the resource data to the transaction request; and
determining a correlation between the resource data and the transaction request.

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7. The method of claim 1, wherein the step of determining a correlation between the resource data and the transaction request is determined in accordance with a set of associated operating rules.

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8. The method of claim 1, further including the step of:
reserving the resource after identifying the resource as capable of servicing the transaction.

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9. The method of claim 8, further including the step of:
supplying a reservation response to a transactional routing controller indicating that the resource has been reserved.

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10. The method of claim 9, further including the step of:
generating a routing message based upon the reservation response, the routing message indicating the identity of reserved resource.

11. The method of claim 9, further including the step of:
supplying the transaction to the reserved resource based upon the routing message.

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12. The method of claim 1, wherein the transaction is supplied to a queue associated with the identified resource, the queue being configured to supply the transaction to the identified resource.

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13. The method of claim 1, wherein the transaction is supplied to the transactional processing system, the transactional processing system being configured to supply the transaction to the identified resource.

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14. An apparatus to route a transaction, comprising:

a transaction handler configured to receive a transaction and generate a transaction request;

a transactional routing controller configured to:

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(1) receive the transaction request and resource data from a transactional processing system; (2) identify an appropriate resource associated with the transactional processing system, in accordance with associated operating rules, capable of servicing the transaction based upon the resource data and the transaction request; and (3) supply the transaction to the appropriate resource.

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15. The apparatus of claim 14, wherein the transaction contains an identifier indicating the transaction request.

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16. The apparatus of claim 15, wherein a data message generated by the transaction handler indicates the identifier to the transactional routing controller.

5 17. The apparatus of claim 14, wherein the resource data from the transactional processing system identifies the resource capabilities associated with each resource of the transactional processing system.

10 18. The apparatus of claim 14, wherein the transactional routing controller compares the resource data to the transaction request to determine a correlation value between the resource data and the transaction request, the transactional routing controller using the correlation value to determine the appropriate resource associated with the transactional processing system capable of servicing the transaction.

15 19. The apparatus of claim 14, wherein the transactional routing controller reserves the appropriate resource.

20 20. The apparatus of claim 19, wherein the at least one transactional processing system generates a signal indicating that the appropriate resource has been reserved.

25 21. The apparatus of claim 19, wherein the transactional processing system supplies a reservation response to the transactional routing controller indicating that the appropriate resource has been reserved.

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22. The apparatus of claim 21, wherein the transactional routing controller generates a routing message based upon the reservation response, the routing message indicating the identity of the reserved resource.

23. The apparatus of claim 21, wherein the transaction handler supplies the transaction to the reserved resource based upon the routing message.

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24. The apparatus of claim 14, wherein the transaction handler supplies the transaction to a queue associated with the appropriate resource, the queue being configured to supply the transaction to the appropriate resource.

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25. The apparatus of claim 14, wherein the transaction handler supplies the transaction to the transactional processing system, the transactional processing system being configured to supply the transaction to the appropriate resource.

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26. An apparatus to route a transaction, comprising:
first means for receiving a transaction and generating a transaction request;

second means configured to:

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(1) receive the transaction request and resource data from a third means; (2) identify an appropriate resource associated with the third

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means, in accordance with associated operating rules, capable of servicing the transaction based upon the resource data and the transaction request; and (3) supply the transaction to the appropriate resource.

27. An apparatus to route a transaction, comprising:
a transaction handler configured to receive an identity of a resource associated with a transactional processing system, the resource being
10 capable of servicing a transaction; and
wherein the transactional routing controller supplies the transaction to the identified resource.

28. An apparatus to route a transaction, comprising:
15 a transactional routing controller configured to receive a transaction request and resource data from a transactional processing system, the transactional routing controller configured to identify an appropriate resource associated with the transactional processing system capable of servicing the transaction based upon the resource data and the transaction request; and
20 wherein the transactional routing controller supplies the transaction to the appropriate resource.

29. A machine-readable medium having stored thereon a sequence of instructions which, when executed by the machine, causes the machine to:
25 identify a resource associated with a transactional processing system capable of servicing a transaction based upon resource data indicative of

the capabilities of resources associated with the transactional processing system and a transaction request indicative of a request associated with the transaction; and

supply the transaction to the identified resource.

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30. The machine-readable medium of claim 29, wherein the medium supplies the resource data and the transaction request to a transactional routing controller.

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31. The machine-readable medium of claim 29, wherein the transaction contains an identifier indicating the transaction request.

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32. The machine-readable medium of claim 31, wherein the generates a data message in response to the transaction, the transaction indicating the identifier to a transactional routing controller.

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33. The machine-readable medium of claim 29, wherein the resource data is supplied from the transactional processing system and identifies the resource capabilities associated with each resource of the transactional processing system.

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34. The machine-readable medium of claim 29, wherein the medium compares the resource data to the transaction request to determine a correlation between the resource data and the transaction request in order to identify the resource capable of servicing the transaction.

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35. The machine-readable medium of claim 29, wherein the determination of a correlation between the resource data and the transaction request is determined in accordance with a set of associated operating rules.

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36. The machine-readable medium of claim 29, wherein the medium reserves the resource after identifying the resource as capable of servicing the transaction.

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37. The machine-readable medium of claim 36, wherein the medium supplies a reservation response to a transactional routing controller indicating that the resource has been reserved.

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38. The machine-readable medium of claim 37, wherein the medium generates a routing message based upon the reservation response, the routing message indicating the identity of reserved resource.

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39. The machine-readable medium of claim 37, wherein the medium supplies the transaction to the reserved resource based upon the routing message.

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40. The machine-readable medium of claim 29, wherein the medium supplies the transaction to a queue associated with the identified resource, the queue being configured to supply the transaction to the identified resource.

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41. The machine-readable medium of claim 29, wherein the medium supplies the transaction to the transactional processing system, the transactional processing system being configured to supply the transaction to the identified resource.

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